SAS Graduate Program in Data Science

We will select eight young candidates to be enrolled in the SAS Graduate Program in Data Science beginning on 1 February 2016. The Graduate Program is a one-year program starting with an intensive four-month training program that prepares the candidates for a career as SAS Data Scientists. The candidates are employed as SAS consultants and will continue as SAS consultants once the one-year graduate program is completed.

The Graduate Program starts with two months of training in all the basic skills in SAS Data Science. After this, advanced SAS Data Science training follows with focus on data management or analytics depending upon the candidates’ skills and preferences. Once the four months of intensive training is completed, the candidates will work as a SAS Data Scientist Consultant in one of our Professional Services Divisions together with more than 150 SAS consultants in SAS Institute Denmark. In the second half of 2016, the Graduate Program consists of monthly recap training days, where we add training that is more specialized and follow up on experience and knowledge, which the candidates have gained during consultancy work for Danish SAS customers.

Upon completion of the training program, the candidates will work as a SAS Data Science Consultant specialized in either data management or analytics solving business problems for SAS customers in Denmark. We will help the candidates grow and accelerate their career through challenging and meaningful work, a strong network and development activities with other graduates and experienced SAS consultants in Denmark and internationally.
Focus Areas

The SAS Graduate Program focuses on these areas:

- Critical SAS® programming skills
- Accessing, transforming and manipulating data
- Improving data quality for reporting and analytics
- Data warehousing and data modeling techniques
- Fundamentals of statistics and analytics
- Working with Hadoop, Hive and SAS
- Exploring and visualizing data
- Machine learning and predictive modeling techniques
- Pattern detection
- Experimentation in business
- Optimization techniques
- Time series forecasting
- Essential communication skills

During the SAS Graduate Program, the candidates are trained in modern process techniques and methodologies to problem solving, cf. the diagram below:
# Training Program

The SAS Graduate Program will train the candidates in the following areas: SAS Foundation, SAS Platform, SAS Data Management, SAS Analytics Discovery & Deployment, Process and Business Development. Read more about these areas below.

## SAS Foundation

**Description**: Learn how to program in SAS and handle the most important data transformation issues

**Areas**: - SAS Programming
              - SAS Macro Language
              - SQL

**SAS Applications**: SAS Enterprise Guide®, SAS Studio, SAS Add-In for Microsoft Office

## SAS Platform

**Description**: Learn how to administer and monitor the SAS Platform

**Areas**: - SAS Metadata
              - Servers
              - Data libraries
              - Users, logs, reports

**SAS Applications**: SAS Management Console, SAS Environment Manager

## SAS Data Management

**Description**: Learn how to integrate and prepare data using SAS Data Management applications

**Areas**: - Data Integration
            - Data Quality
            - Data Management
            - Data Modeling

**SAS Applications**: SAS Data Integration Studio, SAS Management Studio, SAS Federation Server, SAS Event Stream Processing

## SAS Analytics: Discovery

**Description**: Learn the key areas of SAS Analytics

**Areas**: - Predictive models
            - Network analysis
            - Text analysis


## SAS Analytics: Deployment

**Description**: Learn about deployment and high-performance computing

**Areas**: - SAS DS2 Programming
            - Hadoop
            - In-Database Scoring
            - Grid enablement
            - In-Memory Processing

**SAS Applications**: SAS Decision Manager, SAS Event Stream Processing, SAS Model Manager, SAS Data Loader for Hadoop, In-Memory Statistics

## Process and Business Development

**Description**: Learn about processes, methodologies and most high-frequent issues

**Areas**: - Communication
            - Project Management

**SAS Applications**:

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For more information about SAS Graduate Program, please join the information meeting on 1 December. Sign up for [SAS Graduate Program Information Meeting](#).

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